

**ABSTRACT**  
**DURABLE REPELLENT FLUOROCHEMICAL COMPOSITIONS**

This invention provides compositions for treating fibrous substrates to render those  
5 substrates durably repellent to water and oil and durably resistant to dry soil comprising a  
fluorochemical urethane formed by reacting a tri- or higher order isocyanate with a  
fluorochemical monofunctional compound; and optionally a non-fluorinated aliphatic  
monofunctional compound.

The present invention also provides a method of treating fibrous substrates to render  
10 those substrates durably repellent to water and oil and durably resistant to dry soil comprising  
application of the aforementioned composition to a fibrous substrate with optionally one or more  
hydrophilic anti-staining compounds such as acrylic and methacrylic acid polymers and  
copolymers, sulfonated phenol-formaldehyde resins, and styrene-maleic anhydride polymers and  
copolymers, said application of the composition taking place either coincident with or following  
15 application of the hydrophilic anti-staining compound or compounds to the substrate. Fibrous  
substrates treated according to this method and fibrous substrates treated with the  
aforementioned compositions are also disclosed.